

5) (Amended) An improved blending tool for rotation upon a blending machine shaft, such tool comprising:

(a) a shank having a long axis and a diagonal dimension, at least one end, and an end region proximate to the end; and

(b) a riser member fixedly mounted during rotation at the end region of the shank, said riser member having a height dimension and an outside surface with a forward region, wherein the forward region is angled outward from the plane perpendicular to the long axis of the shank at an angle between 10 and 16 degrees and wherein the ratio of the height dimension to the diagonal dimension is greater than 0.20.

6) (Amended) The improved blending tool of **Claim 5**, wherein the shank has a diagonal dimension and the riser member has a height dimension and wherein the ratio of the height dimension to the diagonal dimension is greater than 0.25.

7) (Amended) The improved blending tool of **Claim 5**, wherein the shank has a diagonal dimension and the riser member has a height dimension and wherein the ratio of the height dimension to the diagonal dimension is greater than 0.27.

b)

8) (Amended) The improved blending tool of **Claim 5**, wherein:

- (a) the blending machine shaft has an axis of rotation and imparts a direction of rotation to the improved blending tool;
- (b) a direction exists that is orthogonal to the long axis of the shank and to the rotation axis of the shaft; and
- (c) the blending tool further comprises at least one blade extending outward from the shank wherein at least a portion of said blade is swept backward from the orthogonal direction away from the direction of rotation.

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12) (Amended) The improved blending tool of **Claim 5**, wherein:

- (a) each riser member has a leading and a trailing edge; and
- (b) each riser member has at least one through hole flow port located closer to the trailing edge than to the leading edge.

Please cancel Claims 13 and 17. ✓

22) (Amended) A blending machine comprising:

(a) a chamber for holding a media to be blended;

(b) a blending tool mounted inside the chamber, said blending tool comprising both (i) a shank of the tool having a long axis and a diagonal dimension, at least one end, and an end region proximate to the end and (ii) a riser member fixedly mounted during rotation at the end region of the shank, said riser member of the tool having a height dimension and an outside surface with a forward region, wherein the forward region is angled outward from the long axis at an angle between 10 and 16 degrees wherein the ratio of the height dimension to the diagonal dimension is greater than 0.20; and

(c) a rotatable drive shaft, connected to the blending tool inside of the vessel, for transmitting rotational motion to the blending tool.

23) (Amended) The blending machine of **Claim 22**, wherein:

(a) the blending machine shaft has an axis of rotation and imparts a direction of rotation to the improved blending tool;

(b) a direction exists that is orthogonal to the long axis of the shank and to the rotation axis of the shaft; and

(c) the blending tool further comprises at least one blade extending outward from the shank wherein at least a portion of said blade is swept backward from the orthogonal direction away from the direction of rotation.

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27) (Amended) The blending machine of **Claim 22**, wherein:

- (a) each riser member has a leading and a trailing edge; and
- (b) each riser member has at least one through hole flow port located closer to the trailing edge than to the leading edge.

28) (Amended) The blending machine of **Claim 18**, wherein:

- (a) the chamber has a wall;
- (b) the riser member has a leading edge; and
- (c) at least a portion of the leading edge is positioned within 6 millimeters of the wall.

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Please cancel claims 29-31.

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32) (Amended) The improved blending tool of **Claim 8**, wherein:

- (a) the improved blending tool is mounted inside a blending chamber having a bottom; and
- (b) the blade has a curved shape that positions a portion of the blade proximate to the chamber bottom.
